

## EVERGLADES NUTRIENT-RELEVANT REFERENCES

Compiled by D. Scheidt, USEPA, May 1999

- Abtew, Wossenu. 1996. Evapotranspiration measurements and modeling for three wetland systems in South Florida. *Water Resources Bulletin*, 32(3):465-473.
- Abtew, Wossenu. 1997. Lysimeter study of evapotranspiration from a wetland. South Florida Water Management District Department of Research Publication #274. West Palm Beach, Florida. 7 pp.
- Abtew, W. and J. Obeysekera. 1994. Evapotranspiration of cattails (*Typha domingensis*). South Florida Water Management District Water Department of Research Publication #147. West Palm Beach, Florida. 21 pp. plus figures.
- Abtew, Wossenu, and Nagendra Khanal. 1994. Water Budget Analysis for the Everglades Agricultural Area Drainage Basin. *Water Resources Bulletin* 30:429-439.
- Abtew, W., M. Chimney, T. Kosier, M. Guardo and J. Obeysekera. 1995. The Everglades Nutrient Removal Project: A Constructed wetland designed to treat agricultural runoff/drainage. pp. 45-56 in "Versatility of wetlands in the agricultural landscape", Kenneth Campbell, editor. Published by the American Society of Agricultural Engineers.
- Abtew, W., S. Newman, K. Pietro, and T. Kosier. 1995. Canopy Resistance Studies of Cattails. *Transactions of the American Society of Agricultural Engineers* 38(1):113-119.
- Abtew, W., M. Chimney, and T. D. Fontaine. 1996. Particulate Phosphorus Fraction and Total Suspended Solids Role in P Removal Strategy in the Inflow Waters of the Everglades. Paper No. 962128 written for presentation at the 1996 ASAE Annual International meeting, July 14-18, 1998, Phoenix, Arizona. South Florida Water Management District. 12 pp.
- Abtew, W., L. J. Lindstrom, and T. Bechtel. 1997. A Comparison of methods for estimating the mean and variance of censored total phosphorus concentrations in South Florida rain. South Florida Water Management District Technical Manuscript #352. West Palm Beach, Florida 33 pp.
- Abtew, W., A. Cadogan, A. Ali, T. Kosier, G. Germain and D. Wilkins. 1998. Hydrologic Performance of an Everglades Stormwater Treatment Area- STA6: A Constructed Wetland. South Florida Water Management District Water Resources Evaluation Publication #362. West Palm Beach, Florida. 12 pp.
- Ahn, Hosung. 1998. Estimating the mean and variance of censored phosphorus concentrations in Florida rainfall. *Journal of the American Water Resources Association* 34(3):583-593.
- Ahn, Hosung. 1998. Statistical Modeling of Total Phosphorus Concentrations measured in South Florida Rainfall. South Florida Water Management District Technical Manuscript #358. West Palm Beach, Florida. 20 pp. plus figures.
- Ahn, Hosung. 1998. Outlier detection in total phosphorus concentration data from South Florida rainfall. South Florida Water Management District Technical Manuscript #359. West Palm Beach, Florida. 18 pp. plus figures

- Alexander, Taylor and Alan Crook. 1984. Recent vegetational changes in southern Florida. pp. 199-210 in "Environments of South Florida: Present and Past II". Patrick Gleason, editor. Miami Geological Society, Coral Gables, Florida. 551 pp.
- Amador, J. A., and R. D. Jones. 1993. Nutrient Limitation on Microbial Respiration in Peat Soils with Different Total Phosphorus Content. *Soil Biol. Biochem.* 25:793-801.
- Amador, J. A., and R. D. Jones. 1995. Carbon mineralization in pristine and phosphorus-enriched peat soils of the Florida Everglades. *Soil Science* 159(2):129-141.
- Amador, Jose A., G. Hafiza Richany, and Ronald D. Jones. 1992. Factors Affecting Phosphate Uptake by Peat Soils of the Florida Everglades. *Soil Science* 153:463-470.
- Anderson, D. and R. B. Beverly. 1985. The effects of drying upon extractable phosphorus, potassium and bulk density of organic and mineral soils of the Everglades. *Soil. Sci. Soc. Am. J.* 49:362-366.
- Anderson, D. L. And E. G. Flaig. 1995. Comprehensive Water Management in South Florida: Agricultural Best Management Practices and Surface Water Improvement and Management. *Water Sci. Tech.* 31(8):109-121.
- Andrews, Ralph. Undated. Appendix I. Vegetative cover-types of Loxahatchee and their principal components. U. S. Fish and Wildlife Service Branch of Refuges. 10 pp.
- Bachoon, D. and R. Jones. 1992. Potential Rates of Methanogenesis in Sawgrass Marshes with Peat and Marl Soils in the Everglades. *Soil Biology and Biochemistry* 24:21-27.
- Bancroft, G. Thomas, Wayne Hoffman, Richard J. Sawicki and John C. Ogden. 1992. The Importance of the Water Conservation Areas in the Everglades to the Endangered Wood Stork (*Mycteria americana*). *Conservation Biology* 6(3):392-398.
- Bartow, Susan M., Christopher B. Craft, Curtis J. Richardson. 1996. Reconstructing Historical Changes in Everglades Plant Community Composition Using Pollen Distributions in Peat. *Journal of Lake and Reservoir Management.* 12(3): 313-322.
- Bates, Anne, Elliott Spiker and Charles Holmes. 1998. Speciation and isotopic composition of sedimentary sulfur in the Everglades, Florida, USA. *Chemical Geology* 146:155-170.
- Bechtel, Timothy, Steven Krupa, Steve Hill and Richard Xue. 1996. Evaluation of Water Quality Criteria in the Everglades Protection Area. Submitted to Florida DEP in support of the Everglades Program Management Plan Research and Monitoring Project 3 (RAM-3). South Florida Water Management District, West Palm Beach, Florida. 77 pp. plus appendices.
- Bechtel, Timothy J. and Steven D. Hill. 1996. Analysis of Historical Water Quality Data for Non-ECP Structures S-9, S-140, S-142, S-175, S-190, S-332, G-94D and the C-111 Gaps. February 9, 1996 Draft. South Florida Water Management District. 58 pp.
- Bechtel, Timothy, Steven Hill, Nenad Iricanin, Kimberly Jacobs, Cheol Mo, Victor Mullen, Richard Pfeuffer, David Rudnick and Stuart Van Horn. 1999. Status of Compliance with Water Quality Criteria

in the Everglades Protection Area and tributary waters. Chapter 4 in "Everglades Interim Report". South Florida Water Management District. West Palm Beach, Florida. 132 pp.

Bechtel, Timothy and Cheol Mo. 1998. Total Phosphorus Load Calculations for Sites Stipulated in the SFWMD/Seminole Tribe Agreement. Final Third Semiannual Progress Report. September 4, 1998. SFWMD Resource Assessment Division, Water Resources Evaluation Department. Submitted to SFWMD/Seminole Tribe Agreement Working Group. West Palm Beach, Florida. 79 pp.

Belanger, T. V., D. J. Scheidt, and J.R. Platko II. 1989. Effects of Nutrient Enrichment on the Florida Everglades. *Lake and Reservoir Management* 5:101-111.

Belanger, T. and J. Platko II. 1986. Dissolved Oxygen Budgets in the Everglades WCA2A. Report to South Florida Water Management District. 112 pp.

Bottcher, A. B. And F. T. Izuno (editors). 1994. Everglades Agricultural Area: Water, Soil, Crop and Environmental Management. University Press of Florida. Gainesville, Florida. 322 pp.

Brezonick, Patrick and Anthony Federico. 1975. Effects of backpumping from agricultural drainage canals on water quality in Lake Okeechobee. Report to the Florida Department of Pollution Control for the Special project to prevent eutrophication of Lake Okeechobee. Florida Department of Environmental Regulation Technical Series volume 1, number 1. University of Florida. Gainesville, Florida. 64 pp.

Brock, Thomas D. 1970. Photosynthesis by algal epiphytes of *Utricularia* in Everglades National Park. *Bull. Mar. Sci.* 20(4):952-956.

Browder, Joan A., S. Black, P. Shroeder, M. Brown, M. Newman, D. Cottrell, D. Black, R. Pope and P. Pope. 1981. Perspective on the Ecological Causes and Effects of the Variable Algal Composition of Southern Everglades Periphyton. Everglades National Park South Florida Research Center Publication T-643. Homestead, Florida. 110 pp.

Browder, Joan A., D. Contrell, M. Brown, M. Newman, R. Edwards, J. Yuska, M. Browder, and J. Krakoski. 1982. Biomass and Primary Production of Microphytes and Macrophytes in Periphyton Habitats of the Southern Everglades. Everglades National Park South Florida Research Center Publication T-662. Homestead, Florida. 49 pp.

Browder, Joan A., Patrick J. Gleason and David R. Swift. 1994. Periphyton in the Everglades: Spatial Variation, Environmental Correlates and Ecological Implications. pp. 379-418 in "Everglades: The Ecosystem and its Restoration." S. M. Davis and J. C. Ogden, (eds). St. Lucie Press, Delray Beach, Florida.

Burke, Roger A., Jr., Timothy R. Barber, and William M. Sackett. 1988. Methane Flux and Stable Hydrogen and Carbon Isotope Composition of Sedimentary Methane from the Florida Everglades. *Global Biogeochemical Cycles* 2:329-340.

Burns and McDonnell. 1992. Historical Phosphorus loads for the Everglades Agricultural Area. Everglades Protection Project, Palm Beach County, Florida. December 1992. Report to South Florida Water Management District.

CH2MHill, Inc. 1978. Water Quality Studies in the Everglades Agricultural Area of Florida. 80 pp.

CH2MHill, Inc. 1979. Phase 3 water quality studies in the Everglades Agricultural Area of Florida. Submitted to the Florida Sugar Cane League. April 1979. CH2M HILL, Inc. Gainesville, Florida.

Chimney, Michael J. 1998. Effectiveness and Optimization of Stormwater Treatment Areas for Phosphorus Removal. September 9, 1998 Review Draft. Chapter 6 in the Everglades Forever Act Report to the Florida Legislature. South Florida Water Management District. West Palm Beach, Florida. 29 pp.

Coale, F. J., F. T. Izuno, and A. B. Bottcher. 1994a. Phosphorus in Drainage Water from Sugarcane in the Everglades Agricultural Area as Affected by Drainage Rate. *J. Environ. Qual.* 23:121-126.

Coale, F. J., F. T. Izuno, and A. B. Bottcher. 1994b. Sugarcane Production Impact on Nitrogen and Phosphorus in Drainage Water from an Everglades Histosol. *J. Environ. Qual.* 23:116-120.

Cohen, Arthur D. and William Spackman, Jr. 1984. The petrology of peats from the Everglades and coastal swamps of southern Florida. pp. 352-374 in "Environments of South Florida: Present and Past II". Patrick Gleason, editor. Miami Geological Society, Coral Gables, Florida. 452 pp.

Craft, C. B., and C. J. Richardson. 1993a. Peat Accretion and Phosphorus Accumulation along a Eutrophication Gradient in the Northern Everglades. *Biogeochemistry* 22:133-156.

Craft, C. B., and C. J. Richardson. 1993b. Peat Accretion and N, P, and Organic C Accumulation in Nutrient-Enriched and Unenriched Everglades Peatlands. *Ecological Applications* 3:446-458.

Craft, C. B., J. Vymazal and C. J. Richardson. 1995. Response of Everglades Plants Communities to Nitrogen and Phosphorus Additions. *Wetlands* 15(3):258-271.

Craft, C. B. and C. J. Richardson. 1997. Relationships between Soil Nutrients and Plant Species Composition in Everglades Peatlands. *J. Environ. Qual.* 26:224-232.

Craft, C. B. and C. J. Richardson. 1998. Recent and long-term organic soil accretion and nutrient accumulation in the Everglades. *Soil Sci. Soc. Am. J.* 62:834-843.

Daoust, Robert J. and Daniel L. Childers. 1998. Quantifying aboveground biomass and estimating net above ground primary production for wetland macrophytes using a non-destructive phenometric technique. *Aquatic Botany* (62):115-133.

Daoust, Robert J. and Daniel L. Childers. 1999. Controls on emergent macrophyte composition, abundance, and productivity in freshwater Everglades wetland communities. *Wetlands* 19(1):262-275.

David, Peter. 1996. Changes in WCA 3A Plant Communities Relative to Hydrologic Conditions in the Florida Everglades. *Wetlands* 16(1):15-23.

Davis, John H., Jr. 1943. The natural features of southern Florida, especially the vegetation, and the Everglades. Florida Geological Survey Bulletin 25. Tallahassee, Florida. 311 pp.

- Davis, Steven M. 1982. Patterns of Radiophosphorus Accumulation in the Everglades After its Introduction into Surface Water. South Florida Water Management District Technical Publication 82-2. West Palm Beach, Florida. 28 pp.
- Davis, Steven M. 1984. Cattail Leaf Production, Mortality, and Nutrient Flux in Water Conservation Area 2A. South Florida Water Management District Technical Publication 84-8. West Palm Beach, Florida. 40 pp.
- Davis, Steven M. 1989. Sawgrass and Cattail Production in Relation to Nutrient Supply in the Everglades. pp. 325-341 in "Freshwater Wetlands and Wildlife", CONF-860301, DOE Symposium Series No. 61, R. R. Scharitz and J. W. Gibbons (eds.), USDOE Office of Scientific and Technical Information, Oak Ridge, Tennessee.
- Davis, Steven M. 1990. Growth, Decomposition, and Nutrient Retention of Sawgrass and Cattail in the Everglades. South Florida Water Management District Technical Publication 90-03. West Palm Beach, Florida. 26 pp.
- Davis, Steven M. 1991. Growth, Decomposition, and Nutrient Retention of *Cladium jamaicense* Crantz and *Typha domingensis* Pers. in the Florida Everglades. *Aquatic Botany* 40:203-224.
- Davis, S. M. 1994. Phosphorus inputs and Vegetation Sensitivity in the Everglades. pp. 357-378 in "Everglades: The Ecosystem and its Restoration." S. M. Davis and J. C. Ogden, editors. St. Lucie Press, Delray Beach, Florida.
- Davis, S. M and L. A. Harris. 1978. Marsh plant production and phosphorus flux in Everglades Conservation Area 2. pp. 171-181 In Drew, M. A. (Ed.) "Environmental quality through wetlands utilization", symposium proceedings, restoration of the Kissimmee River and Taylor Creek-Nubbin Slough Basin. Tallahassee, Florida.
- Davis, Steven, Lance Gunderson, Ronald Hofstetter, David Swift and Bradley Waller. 1987. An Assessment of the Potential Benefits to the Vegetation and Water Resources of Everglades National Park and the Southern Everglades Ecosystem Associated with the General Design Memorandum to Improve Water Deliveries to Everglades National Park. Statement Paper. 20 pp.
- Davis, Steven M., and John C. Ogden. 1994. Toward Ecosystem Restoration. pp 769-796 in *Everglades: The Ecosystem and Its Restoration*. S. Davis and J. Ogden, editors. St. Lucie Press, Delray Beach, FL. 848 pp.
- Davis, S. M, L. Gunderson, W. Park, J. Richardson, Jr., and J. Mattson. 1994. Landscape dimension, Composition, and function in a changing Everglades Landscape. pp. 419-443 in "Everglades: The Ecosystem and its Restoration." S. M. Davis and J. C. Ogden, editors. St. Lucie Press, Delray Beach, Florida
- DeBusk, W. F., K. R. Reddy, M. S. Koch, and Y. Wang. 1994. Spatial Distribution of Soil Nutrients in a Northern Everglades Marsh: Water Conservation Area 2A. *Soil Sci. Soc. Am. J.* 58:543-552.
- Diaz, O. A., D. L. Anderson, and E. A. Hanlon. 1993. Phosphorus Mineralization from Histosols of the Everglades Agricultural Area. *Soil Science* 156:178-185.

Dickson, Kevin G., A. Federico and J. Lutz. 1978. Water Quality in the Everglades Agricultural Area and its impact on Lake Okeechobee. South Florida Water Management District Technical Publication 78-03. West Palm Beach, Florida. 132 pp.

Dineen, J. Walter. 1972. Life in the tenacious Everglades. *In Depth Report* volume 1, number 5, May, 1972. Central and Southern Florida Flood Control District. West Palm Beach, Florida. 12 pp.

Doren, Robert F., Thomas V. Armentano, Louis D. Whiteaker, and Ronald D. Jones. 1996. Marsh Vegetation Patterns and Soil Phosphorus Gradients in the Everglades Ecosystem. *Aquatic Botany* 56:145-163.

Doren, Robert F., Ken Rutchey and Roy Welch. 1999. The Everglades: A Perspective on the Requirements and Applications for Vegetation Map and Database Products. *Photogrammetric Engineering and Remote Sensing* 65(2):155-161.

Duxbury, John M. and Robert L. Tate III. 1981. The effect of soil depth and crop cover on enzymatic activities in Pahokee muck. *Soil Sci. Soc. Am. J.* 45:322-328.

Engelhardt, James D. 1996. Draft Benefit-risk analysis of Everglades Stormwater Treatment Area Phase I Discharge Alternatives. University of Miami. Coral Gables, Florida. 22 pp.

Environmental Science and Engineering, Inc. 1993. Western Basins Environmental Assessment. Report Number 6: Water Quality Assessments. Prepared for South Florida Water Management District. ES&E, Inc. Sarasota, Florida

Federico, Anthony, Paul Millar and Frederick Davis. 1984. Water Quality and Nutrient Loading Analysis of the Water Conservation Areas 1978-1983. For South Florida Water Management District, Water Chemistry Division, Resource Planning Department. 195 pp. + Figures.

Fitz, Carl and Fred Sklar. 1998. Ecosystem analysis of phosphorus impacts and altered hydrology in the Everglades: a landscape modeling approach. South Florida Water Management District Department of Research Publication 321. West Palm Beach, Florida

Fitz, H. Carl, Robert Costanza and Alexey Voinov. 1998. A dynamic spatial model as a tool for integrated assessment of the Everglades, USA. SFWMD Department of Research Publication 309. West Palm Beach, Florida

Fleming, D. M., W. W. Wolff, and D. L. DeAngelis. 1994. Importance of Landscape Heterogeneity to Wood Storks in Florida Everglades. *Environmental Management* 18(5):743-757.

Flora, Mark D. And Peter C. Rosendahl. 1982a. An Analysis of Surface Water Nutrient Concentrations in the Shark River Slough, 1972-1980. Everglades National Park South Florida Research Center Publication T-653. Homestead, Florida. 40 pp.

Flora, Mark D. And Peter C. Rosendahl. 1982b. Specific conductance and ionic characteristics of the Shark River Slough, Everglades National Park, Florida. Everglades National Park South Florida Research Center Publication T-615. Homestead, Florida. 55 pp.

Flora, Mark D. and P. C. Rosendahl. 1982c. The response of specific conductance to environmental conditions in the Everglades National Park, Florida. *Water, Air and Soil Pollution* 17:51-59.

Flora, Mark D. and Peter C. Rosendahl. 1982d. The impact of atmospheric deposition on the water quality of Everglades National Park. pp. 55-61 in "Proceedings of the American Water Resources Association International Symposium on Hydrometeorology". Bethesda, Maryland.

Flora, Mark D., David R. Walker, Kenneth A. Burgess, Daniel J. Scheidt and Ramona G. Rice. 1986. The Response of Experimental Channels in Everglades National Park to Increased Nitrogen and Phosphorus Loading. Data Report: Chemistry and Primary Productivity. National Park Service Water Resources Report No. 86-6. NPS Water Resources Division. Fort Collins, Colorado. 56 pp.

Flora, Mark D., David R. Walker, Daniel J. Scheidt, Ramona G. Rice, and Dixon H. Landers. 1988. The Response of the Everglades Marsh to Increased Nitrogen and Phosphorus Loading, Part I: Nutrient Dosing, Water Chemistry, and Periphyton Productivity. Report to the Superintendent. Everglades National Park, Homestead, FL. 61 pp.

Florida Department of Environmental Regulation. 1987. Water Quality Data Assessment of South Florida Water Conservation Areas. Tallahassee, Florida 50 pp.

Frederick, P. C. and M. G. Spalding. 1994. Factors Affecting Reproductive Success of Wading Birds (Ciconiiformes) in the Everglades Ecosystem. pp. 659-692. In "Everglades: the Ecosystem and its restoration". S. M. Davis and J. C. Ogden (Eds). St. Lucie Press.

Freiberger, Herbert J. 1972. Nutrient Survey of Surface Waters in Southern Florida During a Wet and Dry season September 1970 and March 1971. USGS Open File Report 72008. Tallahassee, Florida. 28 pp.

Freiberger, Herbert J. 1973. Effects of Backpumping from South New River Canal at Pump Station S-9 on Quality of Water in Water Conservation Area 3, Broward County, Florida. Prepared by U.S. Geological Survey in cooperation with Central and southern Florida Flood Control District and Bureau of Geology, Florida Department of Natural Resources, Tallahassee, Florida. USGS Open File Report 73026. Tallahassee, Florida. 64 pp.

Germain, Guy J. and Jonathan E. Shaw. 1988. Surface Water Quality Monitoring Network South Florida Water Management District. South Florida Water Management District Technical Publication 88-3. West Palm Beach, Florida.

Germain, Guy J. 1994. Surface Water Quality Monitoring Network South Florida Water Management District. South Florida Water Management District Department of Research Publication 317. West Palm Beach, Florida. 236 pp.

Germain, Guy J. 1998. Surface Water Quality Monitoring Network South Florida Water Management District. South Florida Water Management District Department of Research Publication 356. West Palm Beach, Florida. 261 pp.

Givens, L. S. 1956?. Water level management: its effect on the ecology, wildlife and fisheries resources of Loxahatchee Refuge. USFWS report. 23 pp.

Gleason, Patrick J. 1974. Chemical Quality of Water in Conservation Area 2A and Associated Canals. South Florida Water Management District Technical Publication 74-1. West Palm Beach, Florida. 72 pp. Plus appendices.

Gleason, Patrick, Peter Stone and Morris Rosen. 1974a. The Origin and Characteristics of Gytja in Conservation Area 2A. South Florida Water Management District. West Palm Beach, Florida. 30 pp.

Gleason, Patrick, Peter Stone and Moris Rosen. 1974b. Nutrient Uptake and Rates of Nutrient Deposition in Conservation Area 2A. CSFFCD Environmental Sciences Division. West Palm Beach, Florida. 61 pp. plus appendices.

Gleason, Patrick and William Spackman, Jr. 1974. Calcareous periphyton and water chemistry in the Everglades. Pp. 146-181 in "Environments of South Florida: Present and Past II" Miami Geological Society, Coral Gables, Florida. 452 pp.

Gleason, Patrick, Peter Stone, David Hallett and Morris Rosen. 1975a. Preliminary Report on the Effect of Agricultural Runoff on the Periphytic Algae of Conservation Area 1. South Florida Water Management District. West Palm Beach, Florida. 69 pp.

Gleason, Patrick, Peter A. Stone, Peter Rhoads, Steven M. Davis, Michael Zaffke, Linda Harris. 1975b. The impact of agricultural runoff on the Everglades marsh located in the Conservation Areas of the Central and Southern Florida Flood Control District. CSFFCD Resource Planning Department, West Palm Beach, Florida. 119 pp. plus appendices.

Gleason, Patrick and P. Stone. 1994. Age, origin and Landscape Evolution of the Everglades Peatland. Pp. 149-197 in "Everglades: The Ecosystem and its Restoration." S. M. Davis and J. C. Ogden, editors. St. Lucie Press, Delray Beach, Florida.

Goodrick, Robert L. 1984. The wet prairies of the Northern Everglades. Pp. 185-190 in "Environments of South Florida: Present and Past II" Miami Geological Society, Coral Gables, Florida. 551 pp.

Goolsby, D. A. H. C. Matraw, A. G. Lamonds, D. V. Maddy and J. R. Rollo. 1976. Analysis of historic Water Quality data and description of plan for a sampling network in central and southern Florida. USGS water Resources Investigation 76-52. Tallahassee, Florida. 124 pp.

Gordon, A. S., W. J. Cooper, and D. J. Scheidt. 1986. Denitrification in Marl and Peat Sediments in the Florida Everglades. *Applied and Environmental Microbiology* 52:987-991.

Goslee, Sarah and Curtis Richardson. 1997. Establishment and seedling growth of sawgrass and cattail from the Everglades. Chapter 13 in "Effects of Phosphorus and Hydroperiod Alterations on Ecosystem Structure and Function in the Everglades." 1997 Annual Report to the Everglades Agricultural Area Environmental Protection District. Richardson, Curtis J., C. Craft, R. Qualls, J. Stevenson, P. Vaithyanathan, M. Bush and J. Zahina. 1997. Duke Wetland Center Publication 97-05.

Gough, L., R. Kotra, C. Holmes, P. Briggs, J. Crock, D. Fey, P. Hageman and A. Meier. 1996. Chemical analysis results for mercury and trace elements in vegetation, water and organic-rich sediments, South Florida. USGS Open File Report 96-091.



Gray, Susan and Gregory Coffelt. 1998. Supplemental technologies for treating Stormwater Discharges into the Everglades Protection Area. September 9, 1998 Review Draft. Chapter 8 in the Everglades Forever Act Report to the Florida Legislature. South Florida Water Management District. West Palm Beach, Florida. 19 pp.

Grimshaw, Herbert J., Morris Rosen, David R. Swift, Kevin Rodberg, and Jill M. Noel. 1993. Marsh Phosphorus Concentrations, Phosphorus Content and Species Composition of Everglades Periphyton Communities. *Arch. Hydrobiol.* 128:257-276.

Grimshaw, H., R. G. Wetzel, M. Brandenburg, K. Segerblom, L. J. Wenkert, G. Marsh, W. Charnetsky, J. E. Haky and C. Carraher. 1997. Shading of periphyton Communities by Wetland Emergent Macrophytes: Decoupling of algal photosynthesis from microbial nutrient retention. *Arch Hydrobiol.* 139(1):17-27

Guardo, M., L. Fink, T. Fontaine, S. Newman, M. Chimney, R. Bearzotti and G. Goforth. 1995. Large-scale constructed wetlands for nutrient removal from stormwater runoff: An Everglades restoration project. *Environmental Management* 19(6):879-889.

Gunderson, Lance H. 1994. Vegetation of the Everglades: Determinations of Community Composition. pp. 323-340 in "Everglades: The Ecosystem and its Restoration." S. M. Davis and J. C. Ogden, editors. St. Lucie Press, Delray Beach, Florida.

Gunderson, Lance. H., David P. Brannon and Gary Irish. 1986. Vegetation Cover Types of Shark River Slough, Everglades National Park, derived from LANDSAT thematic mapper data. Everglades National Park South Florida Research Center Publication SFRC-86/03. Homestead, Florida. 6 pp.

Gunderson, Lance H., and William F. Loftus. 1993. The Everglades. pp. 199-255 (Chapter 6) in "Biodiversity of the Southeastern United States: Lowland" . John Wiley & Sons, Inc.

Gunderson, Lance H. and James R. Snyder. 1994. Fire patterns in the southern Everglades. pp. 291-305 in "Everglades: The Ecosystem and its Restoration." S. M. Davis and J. C. Ogden, editors. St. Lucie Press, Delray Beach, Florida.

Hall, Greenville B. and Ramona G. Rice. 1989. The Response of the Everglades Marsh to Increased Nitrogen and Phosphorus Loading- Part III: Periphyton Community Dynamics. 43 pp. plus appendices.

Hendry, C. D., P. L. Brezonik and E. S. Edgerton. 1981. Atmospheric Deposition of Nitrogen and Phosphorus in Florida. pp. 199-215 in "Atmospheric Pollutants in Natural Waters", S. J. Eisenreich, Ed. Ann Arbor Science, Ann Arbor, Michigan.

Herndon, Alan, Lance Gunderson, and John Stenberg. 1991. Sawgrass (*Cladium Jamaicense*) Survival in a Regime of Fire and Flooding. *Wetlands* 11:17-27.

Hoffman, W., G. T. Bancroft and R. J. Sawicki. 1994. Foraging Habitat of Wading Birds in the Water Conservation Areas of the Everglades. pp. 585-614 in "Everglades: The Ecosystem and its Restoration." S. M. Davis and J. C. Ogden, editors. St. Lucie Press, Delray Beach, Florida.

Hoffstetter, Ronald H. and Charles Hilsenbeck. 1980. Vegetation studies of the East Everglades. Final Report to Metropolitan Dade County, Miami, Florida. University of Miami Department of Biology. Coral Gables, Florida. 109 pp.

Hoffstetter, Ronald. 1984. The effect of fire on the pineland and sawgrass communities of southern Florida. Pp. 465-476 in "Environments of South Florida: Present and Past II". Patrick Gleason, editor. Miami Geological Society, Coral Gables, Florida. 452 pp.

Hopkinson, Charles S. Jr., Patrick Mulholland, Lawrence Pomeroy, Robert Twilley and Dennis Whigham. 1998. External Panel Report to the Florida Department of Environmental Protection: Overview and Evaluation of Everglades Nutrient Threshold Research for the period October, 1996 to October, 1997. 47 pp.

Hunt, Burton P. 1961. A Preliminary survey of the physico-chemical characteristics of Taylor Slough with Estimates of Primary Productivity. University of Miami, Department of Zoology. 26 pp.

Hurley, J., D. Krabbenhoft, L. Cleckner, M. Olsen, G. Aiken and P. Rawlick, Jr. 1998. System Controls on the Aqueous Distribution of Mercury in the Florida Everglades. *Biogeochemistry* (40):293-311.

Irwin, G. A. and R. T. Kirkland. 1980. Chemical and physical characteristics of precipitation at selected sites in Florida. USGS Water Resources Investigation 80-81. Tallahassee, Florida. 74 pp.

Jensen, J. R., K. Rutchev, M. S. Koch and S. Narumalani. 1994. Inland Wetland Change Detection in the Everglades Water Conservation Area 2A Using a Time Series of Normalized Remotely Sensed Data. Submitted manuscript. Department of Research Report 140. South Florida Water Management District. West Palm Beach Florida.

Izuno, F. T., A. Bottcher, F. J. Coale, W. A. Davis, D. B. Jones, C. F. Miller, M. Omary, K. R. Reddy, C. A. Sanchez, and L. A. Taylor. 1991. The effects of on-farm agricultural practices in the organic soils of the EAA on nitrogen and phosphorus transport. Final Report. University of Florida Institute of Food and Agricultural Sciences. Gainesville, Florida. 302 pp.

Izuno, F. T., C. A. Sanchez, F. J. Coale, A. B. Bottcher, and D. B. Jones. 1991. Phosphorus Concentrations in Drainage Water in the Everglades Agricultural Area. *J. Environ. Qual.* 20:608-619.

Izuno, Forrest and A. B. Bottcher. 1992. Implementation and verification of BMPs for reducing P loading in the EAA: Phase I. Submitted to the Everglades Agricultural Area Environmental Protection District. University of Florida Institute of Food and Agricultural Services. Gainesville, Florida. 86 pp.

Jensen, John R., Ken Rutchev, Marguerite Koch and Sumil Narumalan1. 1995. Inland Wetland Change Detection in the Everglades Water Conservation Area 2A Using a time series of Normalized Remotely Sensed Data. *Photogrammetric Engineering and Remote Sensing* 61(2):199-209.

Jordan, Frank, Howard Jelks, and Wiley Kitchens. 1997. Habitat Structure and Plant Community Composition in a Northern Everglades Wetland Landscape. *Wetlands* 17(2):275-283.

Jones, Ronald D. 1996. Phosphorus cycling. Pp. 343-348 In: G. J. Hurst, G. A. Knudsen, M. J. McInerney, L. D. Stetzenbach and M. V. Walter (eds), "Manual of Environmental Microbiology". ASM Press, Washington, D. C.

Jones, Ronald D., and Jose A. Amador. 1992. Removal of Total Phosphorus and Phosphate by Peat Soils of the Florida Everglades. *Can. J. Fish. Aquat. Sci.* 49:577-583.

Jones, R., J. Trexler, D. L. Childers, B. Fry, D. Kuhn, D. Lee, J. Meeder, S. Oberbauer, J. Richards, L. Richardson, M. Ross, M. Bothwell, D. Meeter and R. Ulanowicz. 1995. Numerical interpretation of Class III narrative nutrient water criteria for Everglades wetlands: Project Scope of Work. Florida International University Southeast Environmental Research Program. Miami, Florida. 75 pp. plus appendices

Kadlec, Robert H. and Susan Newman. 1992. Phosphorus removal in wetland treatment areas: principles and data. South Florida Water Management District Department of Research Publication 106. West Palm Beach, Florida.

King, Gary M., Peter Roslev, and Henrik Skovgaard. 1990. Distribution and Rate of Methane Oxidation in Sediments of the Florida Everglades. *Applied and Environmental Microbiology* 56:2902-2911.

Klein, Howard, J. T. Armbruster, B. F. McPherson, and H. J. Freiburger. 1975. Water and the South Florida Environment. USGS Water Resources Investigation 24-75. Tallahassee, Florida. 165 pp.

Koch, Marguerite S. 1991. Soil and Surface Water Nutrients in the Everglades Nutrient Removal Project. Technical Publication 91-04, DRE 302. South Florida Water Management District, West Palm Beach, Florida. 57 pp.

Koch, M. S., and K. R. Reddy. 1992. Distribution of Soil and Plant Nutrients along a Trophic Gradient in the Florida Everglades. *Soil Sci. Soc. Am. J.* 56:1492-1499.

Koch, M. S., and P. S. Rawlik. 1993. Transpiration and Stomatal Conductance of Two Wetland Macrophytes (*Cladium Jamaicense* and *Typha Domingensis*) in the Subtropical Everglades. *American Journal of Botany* 80:1146-1154.

Koch-Rose, M. S., K. R. Reddy, and J. P. Chanton. 1994. Factors Controlling Seasonal Nutrient Profiles in a Subtropical Peatland of the Florida Everglades. *Journal of Environmental Quality* 23:526-533.

Kolipinski, Milton C. and Aaron L. Higer. 1969. Some aspects of the effects of the quantity and quality of water on biological communities in Everglades National Park. United States Geological Survey Open File report 69007. Tallahassee, Florida. 97 pp.

Kushlan, James. A. 1979. Temperature and oxygen in an Everglades alligator pond. *Hydrobiologia* 67(3):267-271.

Kushlan, James A. and Burton P. Hunt. 1979. Limnology of an Alligator Pond in South Florida. *Florida Scientist* 42(2):65-84.

Lake Okeechobee Technical Advisory Council (LOTAC) II. 1988. Volume II. Interim Report to the Governor, State of Florida Legislature. South Florida Water Management District, West Palm Beach, Florida.

Lake Okeechobee Technical Advisory Council (LOTAC) II. 1990. Final Report to the Governor, State of Florida, Secretary, Department of Environmental Regulation, Governing Board, South Florida Water Management District, West Palm Beach, Florida. 64 pp.

Lean, David, Kenneth Reckhow, William Walker and Robert Wetzel. 1992. Everglades Nutrient Threshold Research Plan. Report to the Everglades Technical Oversight Committee. 10+ pp.

Limno-Tech, Inc. 1996. Data Analysis in support of the Everglades Forever Act. Final Report. Prepared for South Florida Water Management District.

Limno-Tech, Inc. 1996. Data Analysis in support of the Everglades Forever Act. Appendices. Prepared for South Florida Water Management District.

Lin, Steve, Ray Santee, Jorge Marban and Steve Reel. 1982. Water Quality Management Plan for the S-2 and S-3 Drainage Basins in the Everglades Agricultural Area. South Florida Water Management District Resource Planning Department. West Palm Beach, Florida. 69 pp. + Appendix

Loveless, Charles M. 1959. A study of the Vegetation in the Florida Everglades. *Ecology* 40:1-9.

Lutz, John. 1977a. Water Quality Characteristics of Several Southeast Florida Canals. South Florida Water Management District Technical Publication 77-4. West Palm Beach, Florida. 83 pp. + Appendix

Lutz, John R. 1977b. Water Quality and Nutrient Loadings of the Major Inflows From the Everglades Agricultural Area to the Conservation Areas, Southeast Florida. South Florida Water Management District Technical Publication 77-6. West Palm Beach, Florida. 40 pp. + Appendix

Maltby, E. 1985. Effects of Nutrient Loading on Decomposition Profiles in the Water Column and Submerged peat in the Everglades. pp. 450-464 in "Tropical Peat Resources- Prospects and Potential". Proceedings of the International Peat Society Symposium held in Kingston, Jamaica, February 25 - March 1, 1985. Helsinki University Press, Helsinki, Finland.

Madden, Marguerite, David Jones and Les Vilchek. Photointerpretation Key for the Everglades Vegetation Classification System. *Photogrammetric Engineering and Remote Sensing* 65(2):171-177.

Mattraw, Harold C., Daniel J. Scheidt, and Anthony C. Federico. 1987. Analysis of Trends in Water-Quality Data for Water Conservation Area 3A, the Everglades, Florida. U.S. Geological Survey, Water-Resources Investigations Report 87-4142. USGS, Tallahassee, Florida. 52 pp.

McCormick, Paul, Fred Sklar, Jim Grimshaw, Sue Newman, Shili Miao, Pete Rawlick, and Tom Fontaine. 1994. Field mesocosm dosing studies to support derivation of numerical criteria for phosphorus in the Everglades. A revised work plan, July 26, 1994. South Florida Water Management District Everglades Systems Research Division. West Palm Beach, Florida. 34 pp.

- McCormick, Paul V., Peter S. Rawlick, Kathy Lurding, Eric P. Smith, and Fred H. Sklar. 1996. Periphyton-water quality relationships along a nutrient gradient in the northern Florida Everglades. *J. N. Am. Benthol. Soc.* 15(4):43-449.
- McCormick, Paul V. and Mary B. O'Dell. 1996. Quantifying Periphyton Responses to Phosphorus in the Florida Everglades: a Synoptic-Experimental Approach. *J. N. Am. Benthol. Soc.* 15(4):450-468
- McCormick, Paul V. and John Cairns, Jr. 1997. Algal indicators of aquatic ecosystem condition and change. Chapter Seven, pp. 177-207 in "Plants for Environmental Studies", W. Wang, J. Gorsuch and J. Hughes, editors. CRC Press, Inc. Boca Raton.
- McCormick, Paul V., Michael J. Chimney and David R. Swift. 1997. Diel Oxygen Profiles and Water Column Community Metabolism in the Florida Everglades, U. S. A. *Arch. Hydrobiol.* 140(1):117-129.
- McCormick, Paul V. and Leonard J. Scinto. 1998. Influence of Phosphorus loading on wetland periphyton assemblages. In "Phosphorus Biogeochemistry in Florida Ecosystems". South Florida Water Management District Department of Research Publication 321. West Palm Beach, Florida .
- McCormick, Paul V. and R. Jan Stevenson. 1998. Periphyton as a Tool for Ecological Assessment and Management in the Florida Everglades: Mini-review. *J. Phycol.* (34):726-733.
- McCormick, Paul, Robert Shuford III, John Backus and William Kennedy. 1998a. Spatial and seasonal patterns of periphyton biomass and productivity in the northern Everglades, Florida, U. S. A. *Hydrobiologia* 362:185-208.
- McCormick, Paul, Susan Newman, Shili Miao, Ramesh Reddy, Dale Gawlick, Carl Fitz, Tom Fontaine and Darlene Marley. 1998b. Ecological needs of the Everglades. September 9, 1998 Review Draft. Chapter 3 for the Everglades Forever Act Report to the Florida Legislature. South Florida Water Management District. West Palm Beach, Florida. 63 pp.
- McCormick, Paul, Susan Newman, Shili Miao, Ramesh Reddy, Dale Gawlick, Carl Fitz, Tom Fontaine and Darlene Marley. 1999. Ecological needs of the Everglades. Chapter 3 in "Everglades Interim Report". South Florida Water Management District. West Palm Beach, Florida. 66 pp.
- McPherson, Benjamin F. 1970. Hydrobiological characteristics of Shark River Estuary, Everglades National Park, Florida. USGS Open File Report 71002. Tallahassee, Florida. 113 pp.
- McPherson, Benjamin F. 1971. Water quality at the Dade-Collier Training and Transition Airport, Miami International Airport and Cottonmouth Camp, Everglades National Park, Florida, November 1969. USGS Open File Report 70011. Tallahassee, Florida. 29 pp.
- McPherson, B. F. 1973a. Vegetation in relation to water depth in Conservation Area 3, Florida. USGS Open File Report 73025. Tallahassee, Florida. 62 pp.
- McPherson, B. F. 1973b. Water Quality in the Conservation Areas of the central and Southern Flood Control District, 1970-72. USGS Open File Report 73014. Tallahassee, Florida. 39 pp.

McPherson, B. F., B. G. Waller, and H. C. Mattraw, Jr. 1976. Nitrogen and phosphorus uptake in the Everglades Conservation Areas with special reference to the effects of backpumping. USGS WRI 76-29. Tallahassee, Florida. 120 pp.

McPherson, B. F. and R. Halley. 1996. The South Florida Environment: A Region Under Stress. National Water Quality Assessment Program. U. S. Geological Survey Circular 1134. Denver, Colorado. 61 pp.

Miao, Shili, Fred Sklar, Bob Johnson, Sue Newman, Paul McCormick and Thomas Fontaine. 1996. Macrophyte field monitoring and experiments to support numerical interpretation of no-imbalance water quality criteria for the Everglades: A macrophyte threshold research plan. June 11, 1996. South Florida Water Management District Everglades Systems Research Division. West Palm Beach, Florida. 31 pp.

Miao, S.L., R.E. Borer and F. H. Sklar. 1997. Sawgrass Seedling Responses to Transplanting and Nutrient Additions. *Restoration Ecology*, Vol. 5, No. 2, pp. 162-168.

Miao, S. L. and F. H. Sklar. 1998. Biomass and nutrient allocation of sawgrass and cattail along a nutrient gradient in Florida Everglades. *Journal of Wetland Ecology and Management* 5:245-263.

Miao, S. L., L. Kong, B. Lorenzens and R. R. Johnson. 1998. Versatile modes of propagation in *Cladium jamaicense* in the Florida Everglades. *Annals of Botany* 82:285-290

Miao, S. L., H. Stewart, M. Colbert and C. E. Carraher, Jr. In press. Relative effect of seed source, nutrients and hydroperiod on the germination of *Cladium jamaicense* in the Florida Everglades. South Florida Water Management District Department of Research Florida. Publication 308. West Palm Beach

Miao, S. L., P. V. McCormick, S. Newman and S. Rajagopalan. Submitted. Interactive effects of seed availability, water depths and phosphorus enrichment on cattail colonization in the Florida Everglades. *Restoration Ecology*.

Miao, S. L. and W. F. DeBusk. In press. Effects of phosphorus enrichment on the structure and function of sawgrass and cattail communities in the Everglades. In press. In Phosphorus biogeochemistry in Florida Ecosystems. K. R. Reddy, editor.

Millar, Paul S. 1981a. Water Quality Analysis in the Water Conservation Areas 1978-79. South Florida Water Management District Technical Memorandum. West Palm Beach, Florida. 83 pp.

Millar, Paul S. 1981b. Nutrient budgets of the Water Conservation Areas of South Florida, 1978-1980. pp. 187-208 in "Progress in wetlands utilization and management", P. McCafferty, T. Beemer and S. Gatewood, editors. Coordinating Council on the Restoration of the Kissimmee River Valley and Taylor Creek-Nubbin Slough Basin. Tallahassee, Florida.

Miller, W. L. 1975. Nutrient concentrations of surface water in southern Florida September 1970 to April 1975. USGS Open File Report 75010. Tallahassee, Florida. 44 pp.

Miller, Wesley L. 1988. Description and Evaluation of the Effects of Urban and Agricultural Development on the Surficial Aquifer System, Palm Beach County, Florida. USGS WRI Report 88-4056. Tallahassee, Florida. 58 pp.

- Moustafa, M. Z. 1996. Wetlands Nutrient Removal Design. South Florida Water Management District Department of Research Publication 243. West Palm Beach, Florida. 17 pp.
- Moustafa, M. Z. 1997a. Long-term Equilibrium Phosphorus Concentrations in the Everglades as predicted by a Vollenweider-type Model. *Journal of the American Water Resources Association* 34(1):135-147.
- Moustafa, Mohamed Z. 1997b. Graphical representation of Nutrient Removal in Constructed Wetlands. *Wetlands* 17(4):493-501.
- Moustafa, M., S. Newman, T. Fontaine, M. Chimney and T. Kosier. In press. Phosphorus retention by the Everglades Nutrient Removal Project: An Everglades Stormwater Treatment Area. SFWMD Department of Research Publication 278. West Palm Beach, Florida.
- Nealson, D. 1984. Groundwater Quality Study of the Water Conservation Areas. South Florida Water Management District Technical Memorandum. West Palm Beach, Florida. 26 pp.
- Nearhoof, Frank L. 1992. Nutrient-Induced Impacts and Water Quality Violations in the Florida Everglades. September 1992 Draft. Florida Department of Environmental Regulation Water Quality Technical Series, Vol. 3, Num. 24. Florida Department of Environmental Regulation, Tallahassee, Florida.
- Newman, S., J. B. Grace, and J. W. Koebel. 1996. Effects of nutrients and hydroperiod on *Typha*, *Cladium* and *Eleocharis*: Implications for Everglades Restoration. *Ecological Applications* 6(3):774-783.
- Newman, S., K. R. Reddy, W. F. DeBusk, Y. Wang, G. Shih, and M. M. Fisher. 1997. Spatial Distribution of Soil Nutrients in a Northern Everglades Marsh: Water Conservation Area 1. *Soil Sci. Soc. Am. J.* 61:1275-1283.
- Newman, S., J. Schuette, J. B. Grace, K. R. Rutchey, T.D. Fontaine, K. R. Reddy and M. Pietrucha. 1998. Factors Influencing Cattail Abundance in the Northern Everglades. *Aquatic Botany* (60):265-280.
- Newman, Susan, Paul McCormick and John Backus. In press. Phosphatase activity as an early warning indicator of wetland eutrophication: problems and prospects. In. "Phosphatases in the environment", B. A. Whitten, editor. Kluwer Academic Publishers.
- Newman, S. and J. S. Robinson. In press. Forms of Organic Phosphorus in water, soils and sediments. In Phosphorus biogeochemistry in Florida Ecosystems. K. R. Reddy, editor.
- Obeysekera, J. and K. Rutchey. 1997. Selection of Scale for Everglades landscape models. *Landscape Ecology* 12(1):7-18.
- Olmsted, Ingrid, Lloyd Loope and Richard Rintz. 1980. A Survey and baseline analysis of aspects of the Vegetation of Taylor Slough, Everglades National Park. Everglades National Park South Florida Research Center Publication T-586. Homestead, Florida. 71 pp.
- Olmsted, Ingrid and Lloyd Loope. 1984. Plant Communities of Everglades National Park. pp.167-184. in "Environments of South Florida: Present and Past II" Miami Geological Society, Coral Gables, Florida. 551 pp.

Orem, William, Harry Lerch and Peter Rawlick. 1997. Geochemistry of Surface and Pore water at USGS Coring Sites in Wetlands of South Florida. United States Geological Survey Open File Report 97-454. 55 pp.

Ornes, W. Harold and Kerry K. Steward. 1973. Effect of phosphorus and potassium on phytoplankton populations in field enclosures. South Florida Environmental Project: Ecological Report No. DI-SFEP-74-07. U. S. Department of Interior.

Pan, Yangdong, R. Jan Stevenson, Panchabi Vaithyanathan, Jennifer Slate and Curtis Richardson. 1997. Using Experimental and Observational Approaches to determine causes of algal changes in the Everglades. Chapter 2 in "Effects of Phosphorus and Hydroperiod Alterations on Ecosystem Structure and Function in the Everglades." 1997 Annual Report to the Everglades Agricultural Area Environmental Protection District. Richardson, Curtis J., C. Craft, R. Qualls, J. Stevenson, P. Vaithyanathan, M. Bush and J. Zahina. 1997. Duke Wetland Center Publication 97-05.

Pomeroy, Lawrence, Robert Twilley and Dennis Whigham. 1995. External panel report: nutrient threshold research workshop. Report to South Florida Water Management District and the Everglades technical Oversight Committee. 13 pp.

Pope, K. R., J. R. Richardson, and W. E. Kitchens. 1987. Vegetation patterns in a northern Everglades Marsh. Paper presented at the eighth annual meeting of the Society of Wetland Scientists, Seattle, Washington, May 26-29, 1987. 5 pp.

Pope, Kevin R. 1989. Vegetation in relation to water quality and hydroperiod on the Loxahatchee National Wildlife Refuge. Master of Science Thesis. University of Florida. 79 pp.

Porter, P. S., and C. A. Sanchez. 1992. The Effect of Soil Properties on Phosphorus Sorption by Everglades Histosols. *Soil Science* 154:387-398.

Porter, P. S., and C. A. Sanchez. 1994. Nitrogen in the organic soils of the EAA. pp. 42-61 in "Everglades Agricultural Area: Water, Soil, Crop and Environmental Management". University Press of Florida. Gainesville, Florida. 322 pp.

Qian, Song and Curtis J. Richardson. 1997. Estimating the long-term phosphorus accretion rate in the Everglades: A Bayesian approach with risk assessment. *Water Resources Research* 33(7):1681-1688

Qualls, Robert G. and Curtis Richardson. 1995. Forms of Phosphorus along a nutrient enrichment gradient in the northern Everglades. *Soil Science* 160(3):183-198.

Radar, Russell B. 1994. Macroinvertebrates of the Northern Everglades: Species Composition and Trophic Structure. *Florida Scientist* 57 (1,2):22-33.

Rader, Russell B., and Curtis J. Richardson. 1992. The Effects of Nutrient Enrichment on Algae and Macroinvertebrates in the Everglades: A Review. *Wetlands* 12:121-135.

Rader, R. B., and C. J. Richardson. 1994. Response of Macroinvertebrates and Small Fish to Nutrient Enrichment in the Northern Everglades. *Wetlands* 14:134-146.



Raschke, R. L. 1992. The response of *microcoleus lyngbaceus* (Kutz.) *crouan* to phosphorus enrichment in the oligotrophic Everglades National Park, Florida. USEPA Region 4, Athens, Georgia. 14 pp.

Raschke, R. L. 1993. Diatom (Bacillariophyta) Community Response to Phosphorus in the Everglades National Park, USA. *Phycologia* 32:48-58.

Reckhow, Kenneth and Song Qian. 1994. Modeling phosphorus trapping in wetlands using generalized additive models. *Water Resources Research* 30(11):3105-3114.

Reddy, K. R., and W. F. DeBusk. 1985. Nutrient Removal Potential of Selected Aquatic Macrophytes. *Journal of Environmental Quality* 14:459-462.

Reddy, K. R., W. F. DeBusk, Y. Wang, R. DeLaune, and M. Koch. 1991a. Physico-Chemical Properties of Soils in the Water Conservation Area 2 of the Everglades. Final Report. Submitted to South Florida Water Management District. Submitted by the Institute of Food and Agricultural Sciences, University of Florida, Gainesville, Florida.

Reddy, K. R., Y. Wang, L. Scinto, M. M. Fisher, and M. Koch. 1991b. Physico-Chemical Properties of Soils in the Holeyland Wildlife Management Area. Final Report. Submitted to South Florida Water Management District. Submitted by the Institute of Food and Agricultural Sciences, University of Florida, Gainesville, Florida.

Reddy, K. R., and D. A. Graetz. 1991. Phosphorus Dynamics in the Everglades Nutrient Removal System (Knight's Farm). Annual Report to the South Florida Water Management District. Submitted by the Soil Science Department, University of Florida, Gainesville, Florida.

Reddy, K. R., R. D. DeLuane, W. F. DeBusk, and M. S. Koch. 1993. Long-Term Nutrient Accumulation Rates in the Everglades. *Soil Sci. Soc. Am. J.* 57:1147-1155.

Reddy, K. R., Y. Wang, W. F. DeBusk, and S. Newman. 1994. Physico-Chemical Properties of Soils in the Water Conservation Area 3 of the Everglades. Final Report. Submitted to South Florida Water Management District. Submitted by the Institute of Food and Agricultural Sciences, University of Florida, Gainesville, Florida. 68 pp. plus appendices.

Reddy, K. R., Y. Wang, W. F. DeBusk, M. M. Fisher and S. Newman. 1998. Forms of Soil Phosphorus in selected hydrologic units of the Florida Everglades. *Soil Sci. Soc. Am J.* 62:1134-1147.

Redfield, Garth W. 1998. Quantifying Atmospheric Deposition of Phosphorus: A Conceptual Model and Literature Review for Environmental Management. South Florida Water Management District Technical Publication #360. West Palm Beach, Florida. 35 pp.

Reeder, Pamela B. and Steven M. Davis. 1983. Decomposition, Nutrient Uptake and Microbial Colonization of Sawgrass and Cattail Leaves in Water Conservation Area 2A. South Florida Water Management District Technical Publication 83-4. West Palm Beach, Florida. 24 pp.

Richardson, C. and C. Craft. 1990. Phase One: Preliminary Assessment of Nitrogen and Phosphorus Accumulation and Surface Water Quality in Water Conservation areas 2A and 3A of Southern Florida. Submitted to the Florida Sugar Cane League. Duke Wetland Center Publication 90-01. 148 pp.

Richardson, C., C. Craft, R. Qualls, R. Radar, and R. Johnson. 1991a. Annual report: Effects of Nutrient Loadings and Hydroperiod alterations on cattail expansion, community structure and nutrient retention in the Water Conservation Areas of South Florida. Submitted to the Agricultural Area Environmental Protection District. Duke Wetland Center Publication 91-08. 318 pp.

Richardson, C., C. Craft, R. Qualls, R. Radar, and R. Johnson. 1991b. Annual report appendices: Effects of Nutrient Loadings and Hydroperiod alterations on cattail expansion, community structure and nutrient retention in the Water Conservation Areas of South Florida. Submitted to the Agricultural Area Environmental Protection District. Duke Wetland Center Publication 91-09 92 pp.

Richardson, Curtis J., C. Craft, R. Johnson, R. Qualls, R. Rader, L. Sutter and J. Vymazal. 1992. Effects of Nutrient Loadings and Hydroperiod Alterations on Control of Cattail Expansion, Community Structure and Nutrient Retention in the Water Conservation Areas of South Florida. Annual Report. Duke Wetland Center Publication 92-11. 439 pp.

Richardson, C. J. and C. B. Craft. 1993. Effective Phosphorus Retention in Wetlands: Fact or Fiction. pp. 271-282 in "Constructed Wetlands for Water Quality Improvement", edited by Gerald A. Moshiri. Lewis Publishers, Ann Arbor, Michigan.

Richardson, Curtis J., C. Craft, R. Qualls, J. Stevenson, P. Vaithiyanathan, S. Bartow, C. Chiang, R. Johnson, and J. Zahina. 1994. Effects of Nutrient Loadings and Hydroperiod Alterations on Control of Cattail Expansion, Community Structure and Nutrient Retention in the Water Conservation Areas of South Florida. Annual Report. Duke Wetland Center Publication 94-08. 368 pp.

Richardson, C. J. and P. Vaithiyanathan. 1995. Phosphorus Sorption Characteristics of Everglades Soils along a Eutrophication Gradient. *Soil Sci. Soc. Am. J.* 59:1782-1788.

Richardson, Curtis J., C. Craft, R. Qualls, J. Stevenson, P. Vaithiyanathan, M. Bush and J. Zahina. 1995. Effects of Phosphorus and Hydroperiod Alterations on Ecosystem Structure and Function in the Everglades. 1995 Annual Report to the Everglades Agricultural Area Environmental Protection District. Duke Wetland Center Publication 95-05. 372 pp.

Richardson, Curtis, Panchabi Vaithiyanathan, Edwin Romanowicz and Christopher Craft. 1997a. Macrophyte Community responses in the Everglades with an emphasis on Cattail (*Typha domingensis*) and sawgrass (*Cladium Jamaicense*) interactions along a gradient of long-term nutrient additions, altered hydroperiod and fire. Chapter 14 in "Effects of Phosphorus and Hydroperiod Alterations on Ecosystem Structure and Function in the Everglades." 1997 Annual Report to the Everglades Agricultural Area Environmental Protection District. Richardson, Curtis J., C. Craft, R. Qualls, J. Stevenson, P. Vaithiyanathan, M. Bush and J. Zahina. 1997. Duke Wetland Center Publication 97-05.

Richardson, Curtis, Panchabi Vaithiyanathan, Jerry Qualls and Craig Stowe. 1997b. Dosing Study Chemistry analysis: Four-year response (1992-1996) of Everglades Sloughs to increased concentrations of  $PO_4$ . Operation of experimental field mesocosms and water quality analysis. Chapter 15 in "Effects of Phosphorus and Hydroperiod Alterations on Ecosystem Structure and Function in the Everglades." 1997 Annual Report to the Everglades Agricultural Area Environmental Protection District. Richardson, Curtis J., C. Craft, R. Qualls, J. Stevenson, P. Vaithiyanathan, M. Bush and J. Zahina. 1997. Duke Wetland Center Publication 97-05.

Richardson, Curtis, Robert Qualls and Panchabi Vaithiyanathan. 1997c. Dosing study- changes in macrophyte community composition and calcareous mat cover over four years of P additions to Everglades mesocosms. Chapter 17 in "Effects of Phosphorus and Hydroperiod Alterations on Ecosystem Structure and Function in the Everglades." 1997 Annual Report to the Everglades Agricultural Area Environmental Protection District. Richardson, Curtis J., C. Craft, R. Qualls, J. Stevenson, P. Vaithiyanathan, M. Bush and J. Zahina. 1997. Duke Wetland Center Publication 97-05.

Richardson, Curtis J., C. Craft, R. Qualls, J. Stevenson, P. Vaithiyanathan, M. Bush and J. Zahina. 1997d. Effects of Phosphorus and Hydroperiod Alterations on Ecosystem Structure and Function in the Everglades. 1997 Annual Report to the Everglades Agricultural Area Environmental Protection District. Duke Wetland Center Publication 97-05.

Richardson, John R., Wade L. Bryant, Wiley M. Kitchens, Jennifer E. Mattson and Kevin R. Pope. 1990. An evaluation of habitats and relationships to water quality, quantity and hydroperiod: A synthesis report. Prepared for Loxahatchee National Wildlife Refuge. Florida Cooperative Fish and Wildlife Research Unit, Gainesville, Florida. 166 pp.

Rose, Paul W. and Peter C. Rosendahl. 1979. An application of LANDSAT multispectral imagery for the classification of hydrobiological systems, Shark River Slough, Everglades National Park, Florida. Everglades National Park South Florida Research Center Publication T-544. Homestead, Florida. 65 pp.

Rose, Paul W. and Peter C. Rosendahl. 1983. Classification of Landsat data for hydrologic application, Everglades National Park. *Photogrammetric Engineering and Remote Sensing* 49(4):505-511.

Rosendahl, Peter C. and Paul W. Rose. 1979. Water Quality Standards: Everglades National Park. *Environmental Management*, Vol. 3, No. 6, pp. 483-491.

Rudnick, D., Z. Chen, D. Childers, J. Boyer and T. Fontaine. In press. Phosphorus and nitrogen inputs into Florida Bay: the importance of the Everglades watershed. In: "Phosphorus biogeochemistry of sub-tropical ecosystems: Florida as a case study". K. R. Eddy, G. A. O'Conner, and C. L. Schelske, editors. CRC/Lewis publishers. South Florida Water Management District Department of Research Publication 310. West Palm Beach, Florida

Rutchey, Ken and Les Vilchek. 1994. Development of an Everglades Vegetation Map using a SPOT image and the Global Positioning System. *Photogrammetric Engineering and Remote Sensing* 60(6):767-775.

Rutchey, Ken and Les Vilchek. 1999. Air Photointerpretation and Satellite Imagery Analysis Techniques for Mapping Cattail Coverage in a Northern Everglades Impoundment. *Photogrammetric Engineering and Remote Sensing* 65(2):185-191.

Sanchez, C. A., P. S. Porter, and M. F. Ulloa. 1991. Relative efficiency of broadcast and banded phosphorus for sweet corn produced on histosols. *Soil Sci. Soc. Am. J.* 55:871-875.

Sanchez, Charles A. and P. Steven Porter. 1994. Phosphorus in the Organic Soils of the EAA. pp. 62-84 in "Everglades Agricultural Area: Water, Soil, Crop and Environmental Management". University Press of Florida. Gainesville, Florida. 322 pp.

Scheidt, Daniel J., David R. Walker, Ramona G. Rice and Mark D. Flora. 1985. Diel Dissolved Oxygen Levels under Experimental Nutrient Loading Conditions in Shark Slough, Everglades National Park, Florida. Abstract. *Florida Scientist* Volume 48 Supplement 1:36.

Scheidt, Daniel J. 1988. Nutrient Enrichment in the Everglades. *National Wetlands Newsletter* 10:5-7.

Scheidt, D.J., M.D. Flora, and D. R. Walker. 1989. Water Quality Management for Everglades National Park. P. 377-390. In: "Wetlands: Concerns and Success". American Water Resources Association, Bethesda, MD. USA.

Science Sub-group. 1997. Ecologic and precursor success criteria for South Florida Ecosystem restoration. Report to the Working Group of the South Florida Ecosystem Restoration Task Force. Compiled and printed by Planning Division, USACE, Jacksonville, Florida. May 1997.

Scinto, L. J. 1997. Phosphorus cycling in a periphyton-dominated freshwater wetland. Ph. D. Thesis. University of Florida. Gainesville, Florida. 195 pp.

Shahane, A., D. Paich and R. L. Hambrick. 1977. A Framework of the Water Quality planning model for the Conservation Areas of the Florida Everglades. South Florida Water Management District Report. West Palm Beach, Florida.

Shahane, A. and John R. Maloy. 1978. The Water Quality Planning Model. South Florida Water Management District. West Palm Beach, Florida

Slate, J. E. 1998. Inferring present and historical environmental conditions in the Everglades with diatoms. PhD. Thesis. University of Louisville. Louisville, Kentucky. 110 pp.

Smith, Eric P. 1994. Statistical Analysis of cattail changes in the Holeyland. A report to the South Florida Water Management District. 14 pp. plus tables, appendices.

Smith, Eric P. and Paul V. McCormick. In press. Long-term relationships between phosphorus inputs and wetland phosphorus concentrations in a northern Everglades marsh. 28 pp. plus figures.

Snyder, G. H. and J. M. Davidson. 1994. Everglades Agriculture: Past, Present and Future. pp. 85-115 in "Everglades: The Ecosystem and its Restoration." S. M. Davis and J. C. Ogden, (eds). St. Lucie Press, Delray Beach, Florida.

Sonntag, Wayne H. 1987. Chemical characteristics of Water in the Surficial Aquifer System, Dade County, Florida. USGS WRI Report 87-4080. Tallahassee, Florida. 42 pp.

South Florida Water Management District. 1977. Water Use and Supply Development Plan. Volume IIIA. Lower East Coast Planning Area Technical Exhibits A - H. South Florida Water Management District. West Palm Beach, Florida.

South Florida Water Management District. 1978. Overview of Cooperative Water Quality Studies in the Everglades Agricultural Area. South Florida Water Management District Water Chemistry Division and the Florida Sugar Cane League. West Palm Beach, Florida. 49 pp.

South Florida Water Management District. 1982. An Analysis of Water Supply Backpumping for the Lower East Coast Planning Area. Special Report. West Palm Beach, Florida. 107 pp.

South Florida Water Management District. 1984. North New River Backpumping Water Quality Impact Study Report #1 Preconstruction and initial Operation. Technical Memorandum. West Palm Beach, Florida. 47 pp.

South Florida Water Management District. 1985. Water quality evaluation of Everglades Agricultural Area Interim Action Plan. Draft. Chemistry Division, Planning Department, July 20, 1985. 13 pp. plus tables and figures.

South Florida Water Management District. 1992. Surface Water Improvement and Management Plan for the Everglades. Supporting Information Document. March 12, 1992. South Florida Water Management District, West Palm Beach, Florida. 472 pp.

South Florida Water Management District. 1994. Research Implementation Plan: Everglades ecosystem processes (EEP): analyses to determine the biogeochemical and hydrologic parameters that cause large-scale ecological change. February 3, 1994. South Florida Water Management District Everglades Systems Research Division, West Palm Beach, Florida. 16 pp. plus attachments.

South Florida Water Management District. 1995. Everglades Best Management Practice Program. Water year 1995. South Florida Water Management District, West Palm Beach, Florida.

South Florida Water Management District. 1996. Evaluation of benefits and impacts of the hydropattern restoration components of the Everglades Construction Project. September 13, 1996. South Florida Water Management District, West Palm Beach, Florida. 88 p. plus appendix.

South Florida Water Management District. 1997a. Everglades Best Management Practice Program. Water year 1996 and water year 1997. South Florida Water Management District, West Palm Beach, Florida. 122 pp.

South Florida Water Management District. 1997b. Everglades Best Management Practice Program. Water year 1997. Updated data. South Florida Water Management District, West Palm Beach, Florida. 50 pp.

South Florida Water Management District. 1997c. Atmospheric Deposition into South Florida. Advisory panel final report. December 24, 1997. South Florida Water Management District, West Palm Beach, Florida. 37 pp.

South Florida Water Management District. 1998a. Everglades Nutrient Removal Project 1997 Annual Monitoring Report. South Florida Water Management District. West Palm Beach, Florida.

South Florida Water Management District. 1998b. Everglades Best Management Practice Program. Water year 1998. South Florida Water Management District, West Palm Beach, Florida. 83 pp.

South Florida Water Management District. 1999. Everglades Interim Report. West Palm Beach, Florida.

Spalding, M. G., G. T. Bancroft and D. Forrester. 1993. The Epizootiology of Eustrongylidosis in wading birds (Ciconiformes) in Florida. *Journal of Wildlife Diseases* 29(2):237-249.

- Spalding, M. G. and D. Forrester. 1993. Pathogenesis of *Eustrongylides Ignotus* (Nemotoda: Dioctophymatoidea) in Ciconiiformes. *Journal of Wildlife Diseases* 29(2):250-260.
- Spalding, M. G. and D. J. Forrester. 1991. Effects of Parasitism and Disease on the Nesting Success of Colonial Wading Birds (Ciconiiformes) in Southern Florida. Florida Game and Fresh Water Fish Commission Nongame Wildlife Program Final Report NG88-008.
- Steiglitz, W. O. 1964. A status report on the vegetation of the Loxahatchee Refuge Pool (Conservation Area 1). USFWS memorandum. 12 pp.
- Steward, Kerry K. 1984. Physiological, edaphic and environmental characteristics of Everglades Sawgrass Communities. Pp. 157-166 in "Environments of South Florida: Present and Past II" Miami Geological Society, Coral Gables, Florida. 551 pp.
- Steward, Kerry and W. H. Ornes. 1973. Investigations into the mineral nutrition of sawgrass using experimental culture techniques. South Florida Environmental Project: Ecological Report No. DI-SFEP-74-05. U. S. Department of Interior. 22 pp.
- Steward, K. K. 1973. Inorganic nutrient utilization by aquatic vegetation of the Florida Everglades. Report to U. S. Department of Interior. NTIS Number PB-231608, 231609.
- Steward, Kerry K., and W. Harold Ornes. 1975a. Assessing a Marsh Environment for Wastewater Renovation. *Journal Water Pollution Control Federation* 47:1880-1891.
- Steward, Kerry K., and W. Harold Ornes. 1975b. The Autecology of Sawgrass in the Florida Everglades. *Ecology* 56:162-171.
- Steward, Kerry K., and W. H. Ornes. 1983. Mineral Nutrition of Sawgrass (*Cladium Jamaicense* Crantz) in Relation to Nutrient Supply. *Aquatic Botany* 16:349-359.
- Stewart, Herbert, Shi Li Miao, Marsha Colbert, and Charles E. Carraaher, Jr. 1997. Seed Germination of two cattail (*Typha*) species as a function of Everglades Nutrient Levels. *Wetlands* 17(1):116-122.
- Stober, Q. J., R. D. Jones and D. J. Scheidt. 1995. Ultra-trace level mercury in the Everglades Ecosystem: A Multi-media Pilot Study. *Water, Air and Soil Pollution* 80:991-1001.
- Stober, Jerry, Daniel Scheidt, Ron Jones, Kent Thornton, Robert Ambrose, and Danny France. 1996. South Florida Ecosystem Assessment. Monitoring for Adaptive Management: Implications for Ecosystem Restoration. Interim Report. United States Environmental Protection Agency EPA-904-R-96-008. 26+ pp.
- Stober, Jerry, Daniel Scheidt, Ron Jones, Kent Thornton, Robert Ambrose, and Danny France. 1998. South Florida Ecosystem Assessment. Monitoring for Adaptive Management: Implications for Ecosystem Restoration. Final Technical Report - Phase I. United States Environmental Protection Agency EPA-904-R-96-008.
- Stone, J. A., and D. E. Legg. 1992. Agriculture and the Everglades. pp 207-215 in *Journal of Soil and Water Conservation* May-June, 1992.

Swift, David R. 1981. Preliminary Investigations of Periphyton and Water Quality Relationships in the Everglades Water Conservation Areas. South Florida Water Management District Technical Publication 81-5. West Palm Beach, Florida. 83 pp. + Appendices

Swift, David R. 1984. Periphyton and water quality relationships in the Everglades Water Conservation Areas. Pp. 97-117 in "Environments of South Florida: Present and Past II" Miami Geological Society, Coral Gables, Florida. 551 pp.

Swift, David R. 1986. Baseline Water Quality Conditions and Periphyton Community Structure in WCA3B July 1982 - November 1983. Draft Technical Publication. South Florida Water Management District Environmental Sciences Division. 54 pp.

Swift, David and Brent Nicholas. 1983. Preliminary Transect Study of the Effects of C-123 and C-60 Canal Water Discharges Across the WCA-3A Marsh. South Florida Water Management District Technical Memorandum to the Files. West Palm Beach, Florida.

Swift, David and Robert B. Nicholas. 1987. Periphyton and Water Quality Relationships in the Everglades Water Conservation Areas 1978-1982. South Florida Water Management District Technical Publication 87-2. West Palm Beach, Florida. 44 pp. + appendices.

Tate, Robert L. III. 1977. Nitrification in histosols: a potential role for the heterotrophic nitrifier. *Applied and Environmental Microbiology* 33(4):911-914.

Tate, Robert L. III. 1979. Microbial activity in organic soils as affected by soil depth and crop. *Applied and Environmental Microbiology* 37(6):1085-1090.

Tate, Robert, III. 1980a. Effect of several environmental parameters on carbon metabolism in histosols. *Microbial Ecology* 5:329-336.

Tate, Robert, III. 1980b. Variation in heterotrophic and autotrophic nitrifier populations in relation to nitrification in organic soils. *Applied and Environmental Microbiology* 40(1):75-79.

Tate, Robert L. III and Richard Terry. 1980. Effect of sewage effluent on microbial activities and coliform populations of Pahokee muck. *Journal of Environmental Quality* 9(4): 673-677.

Terry, Richard E. 1980. Nitrogen Mineralization in Florida Histosols. *Soil Sci. Soc. Am. J.* 44:747-750.

Terry, Richard and Robert Tate, III. 1980a. Denitrification as a pathway for nitrate removal from organic soils. *Soil Science* 129(3):162-166

Terry, Richard and Robert Tate, III. 1980b. The effect of nitrous oxide reduction in organic soils and sediments. *Soil Sci. Soc. Am. J.* 44(4):744-746.

Terry, Richard E. and Robert Tate, III. 1981. Municipal wastewater re-utilization on cultivated soil. *Journal WPCF* 53(1):85-88.

Terry, Richard, Robert Tate III, and John Duxbury. 1981a. Nitrous oxide emissions from drained, cultivated organic soils of South Florida. *Air Pollution Control Association Journal* 31(11):1173-1176

Terry, Richard, Robert Tate III, and John Duxbury. 1981b. The effect of flooding on nitrous oxide emissions from an organic soil. *Soil Science* 132(3):228-232.

Toth, Louis A. 1987. Effects of hydrologic regimes on lifetime production and nutrient dynamics of sawgrass. South Florida Water Management District Technical Publication 87-6. West Palm Beach, Florida. 32 pp.

Toth, Louis A. 1988. Effects of hydrologic regimes on lifetime production and nutrient dynamics of cattail. South Florida Water Management District Technical Publication 88-6. West Palm Beach, Florida. 26 pp.

Turner, R. E., E. M. Swenson, N. N. Rabalais and L. E. Smith. 1998. Regional Environmental Monitoring and Assessment Program: Florida Everglades Ecosystem. Final report to U. S. Environmental Protection Agency Office of Research and Development, Environmental Research Laboratory, Gulf Breeze, Florida. Louisiana State University Coastal Ecology Institute. Baton Rouge, Louisiana. 213 p.

Turner, Andrew M., Joel C. Trexler, C. Frank Jordan, Sarah J. Slack, Pamela Geddes, John Chick and William F. Loftus. In press. Targeting ecosystem features for conservation: standing crops in the Florida Everglades. *Conservation Biology*.

U. S. Department of the Interior. 1971. Appraisal of Water Quality Needs and Criteria for Everglades National Park. USDI National Park Service, Washington, D. C. June 1971. 50 pp.

U. S. District Court, Southern District of Florida. 1992. Consent Decree. Settlement Agreement July, 11, 1991. United States of America versus the South Florida Water Management District and the Florida Department of Environmental Regulation. Case Number 88-1886-CIV-Hoevelor. Miami, Florida..

Urban, Nancy H. and Joseph W. Koebel, Jr. 1993a. Macroinvertebrate Colonization on Decomposing Sawgrass (*Cladium jamaicense* Crantz.) and Cattail (*Typha domingensis* Pers.) Litter in the Florida Everglades. Department of Research Report 118, South Florida Water Management District, West Palm Beach, FL. 38 pp.

Urban, N. H., S. M. Davis, and N. G. Aumen. 1993b. Fluctuations in Sawgrass and Cattail Densities in Everglades Water Conservation Area 2A Under Varying Nutrient, Hydrologic and Fire Regimes. *Aquatic Botany* 46:203-223.

Vaithianathan, Panchabi, Curtis Richardson, Jan Vymazal and John Zahina. 1997a. Biogeochemical characteristics of the Everglades Sloughs. Chapter 5 in "Effects of Phosphorus and Hydroperiod Alterations on Ecosystem Structure and Function in the Everglades." 1997 Annual Report to the Everglades Agricultural Area Environmental Protection District. Richardson, Curtis J., C. Craft, R. Qualls, J. Stevenson, P. Vaithianathan, M. Bush and J. Zahina. 1997b. Duke Wetland Center Publication 97-05.

Vaithianathan, Panchabi, John Zahina, Sherri Cooper, and Curtis Richardson. 1997b. Examination of the seed bank along a eutrophication gradient in the northern Everglades. Chapter 10 in "Effects of Phosphorus and Hydroperiod Alterations on Ecosystem Structure and Function in the Everglades." 1997 Annual Report to the Everglades Agricultural Area Environmental Protection District. Richardson, Curtis J., C. Craft, R. Qualls, J. Stevenson, P. Vaithianathan, M. Bush and J. Zahina. 1997. Duke Wetland Center Publication 97-05.



Vaithiyanathan, P., C. Richardson, R. Kavanaugh, C. Craft and T. Barkay. 1996. Relationships of Eutrophication to the distribution of Mercury and to the Potential for Methylmercury Production in the Peat Soils of the Everglades. *Environ. Sci. Technol.* (30):2591-2597.

Vaithiyanathan, P., and C. Richardson. 1997. Nutrient profiles in the Everglades: examination along the eutrophication gradient. *Science of the Total Environment* 205:81-95.

Vaithiyanathan, P., and C. Richardson. 1998. Biogeochemical characteristics of the Everglades Sloughs. *J. Environ. Qual.* 27:1439-1450.

van der Valk, Arnold, and Thomas Rosburg. 1997. Seed bank composition along a Phosphorus Gradient in the Northern Florida Everglades. *Wetlands* 17(2):228-236.

Van Meter, Nancy. 1965. Some quantitative and qualitative aspects of periphyton in the Everglades. Master of Science Thesis. University of Miami. Miami, Florida. 108 pp.

Van Meter-Kasinof, N. 1973. Ecology of the micro-algae of the Florida Everglades. Part I. Environment and some aspects of freshwater periphyton, 1959-1963. *Nova Hedwegia* 24:619-664.

Vymazal, Jan, C. Craft and C. Richardson. 1994. Periphyton response to nitrogen and phosphorus additions in the Florida Everglades. *Algological Studies* 73:75-97.

Vymazal, Jan and Curtis J. Richardson. 1995. Species Composition, Biomass, and Nutrient Content of Periphyton in the Florida Everglades. *J. Phycol.* 31:343-354.

Wade, Dale, John Ewel, and Ronald Hofstetter. 1980. Fire in South Florida Ecosystems. U. S. Department of Agriculture Forest Service General Technical Report SE-17. Southeastern Forest Experiment Station, Asheville, North Carolina. 125 pp.

Walker, David R., Mark D. Flora, Ramona G. Rice, and Daniel J. Scheidt. 1988. The Response of the Everglades Marsh to Increased Nitrogen and Phosphorus Loading, Part II: Macrophyte Community Structure and Chemical Composition. Report to the Superintendent. Everglades National Park, Homestead, FL. 34 pp.

Walker, William W. 1989. Rainfall total phosphorus concentrations and loadings in Everglades National Park.. August 1989. W. Walker, Concord, Massachusetts. 18 pp.

Walker, W. 1990. Water Quality Trends at Inflows to Everglades National Park. September 1990. Prepared for U.S. Dept. Justice. Environmental and Natural Resources Division. Washington D.C.

Walker, W. W. 1991. Water Quality Trends at Inflows to Everglades National Park. *Water Resources Bulletin* 27:59-72.

Walker, William W., Jr. 1993. A Mass-Balance Model for Estimating Phosphorus Settling Rate in Everglades Water Conservation Area-2A. Prepared for U. S. Department of Justice. 9 pp. Plus figures and tables.

Walker, William W., Jr. 1995. Design Basis for Everglades Stormwater Treatment Areas. *Water Resources Bulletin*, 1995 31(4):671-685.

Walker, William W., Jr. 1996. Test for evaluating performance of Stormwater Treatment Areas. January 3, 1996 draft. Prepared for U. S. Department of Interior .

Walker, William W., Jr. 1997a. Long-term water Quality trends in the Everglades. Presented at "Symposium on Phosphorus Biogeochemistry in Florida Ecosystems". Clearwater Beach, Florida July 13-16, 1997. 20 pp.

Walker, William W., Jr. 1997b. Analysis of water quality and hydrologic data from the C-111 Basin. October 3, 1997 draft. Prepared for U. S. Department of Interior. 20 pp plus figures and tables.

Walker, William W., Jr. 1997c. Water Quality Aspects of the Proposed East-Coast Buffer Strip: Evaluation of the C11-West Basin. Draft. Prepared for U.S. Department of the Interior, Everglades National Park. 22 pp + Tables & Figures.

Walker, William W., Jr. 1997d. Review of Procedures for Tracking Refuge P Levels and ENP Inflow P Limits. Prepared for U. S. Department of Interior, Everglades National Park. April 17, 1997. 43 pp.

Walker, William W., Jr. 1998. Everglades monitoring report. Prepared for U. S. Department of Interior. June 17, 1998. Concord, Massachusetts.

Walker, William W., Jr. and Robert H. Kadlec. 1996. A Model for Simulating Phosphorus Concentrations in Waters and Soils Downstream of Everglades Stormwater Treatment Areas. Draft. Prepared for U. S. Department of Interior. 109 pp.

Waller, Bradley and J. E. Earle. 1975. Chemical and Biological Quality of water in part of the Everglades, Southeastern Florida. USGS Water Resources Investigation 56-75. Tallahassee, Florida. 157 pp.

Waller, Bradley G. 1975. Distribution of Nitrogen and Phosphorus in the Conservation Areas in South Florida from July 1972 to July 1973. USGS Water Resources Investigation 5-75. Tallahassee, Florida. 33 pp.

Waller, Bradley G. 1976. Analysis of selected benthic communities in Florida Everglades with reference to their physical and chemical environments. USGS Water Resources Investigation 76-28. Tallahassee, Florida. 33 pp.

Waller, Bradley. 1978. Effects of Land use and Water Management on Water Quality in the Western South New River Canal Basin, Southeast Florida, 1974-75. USGS Water Resources Investigation 78-30. Tallahassee, Florida. 56 pp.

Waller, Bradley. 1981a. Effects of Land use on Surface Water Quality in the East Everglades, Dade County, Florida. USGS Water Resources Investigation 81-59. Tallahassee, Florida. 43 pp.

Waller, Bradley. 1981b. Water Quality data for selected stations in the East Everglades, Florida. USGS Open File Report 81-821. Tallahassee, Florida. 77 pp.

- Waller, Bradley. 1982a. Water Quality Characteristics of Everglades National Park, 1959-1977, with reference to the effects of Water Management. USGS Water Resources Investigation 82-34. Tallahassee, Florida. 51 pp.
- Waller, Bradley. 1982b. Effects of Land use on Groundwater Quality in the East Everglades, Dade County, Florida. USGS Water Resources Investigation 82-4093. Tallahassee, Florida. 67 pp.
- Waller, Bradley. 1982c. Effects of Land use on Surface water Quality in the East Everglades, Dade County, Florida. USGS Water Resources Investigation 81-59. Tallahassee, Florida. 37 pp.
- Welch, R., M. Remillard, and R. F. Doren. 1995. GIS Database Development for South Florida's National Parks and Preserves. *Photogrammetric Engineering and Remote Sensing* 61(11):1371-1381.
- Welch, Roy, Marguerite, and Robert F. Doren. 1999. Mapping the Everglades. *Photogrammetric Engineering and Remote Sensing* 65(2):163-170.
- Whalen, Benita, Tom Kosier, Dean Makes, and Jacquelyn Larson. 1998. Effectiveness of Best Management Practices. September 9, 1998 Review Draft. Chapter 5 in the Everglades Forever Act Report to the Florida Legislature. South Florida Water Management District. West Palm Beach, Florida. 15 pp.
- Whalen, P. and B. Whalen. 1996. Nonpoint Source Best Management Practices Program for the Everglades Agricultural Area. Paper number 962071 presented at the 1996 ASAE Annual International Meeting, July 14-18, 1996, Phoenix, Arizona. 25 pp. South Florida Water Management District.
- Wiggins, T. Scott and A. B. Bottcher. 1994. EAA Water Quality Research, Monitoring and Abatement Programs. pp. 154-193 in "Everglades Agricultural Area: Water, Soil, Crop and Environmental Management." University Press of Florida. Gainesville, Florida. 322 pp.
- Wilson, Susan Uhl. 1974. Metabolism and Biology of a Blue Green Algal Mat. Master of Science Thesis. University of Miami. Miami, Florida. 81 pp.
- Wood, E. J. and H. G. Maynard. 1974. Ecology of micro-algae of the Florida Everglades. Pp. 123-145 in "Environments of South Florida: Present and Past" Miami Geological Society, Coral Gables, Florida.
- Wood, John M. and George W. Tanner. 1990. Graminoid Community composition and structure within four Everglades Management Areas. *Wetlands* 10(2):127-149.
- Worth, Dewey. 1983. Progress report: preliminary environmental responses to marsh dewatering and reduction in water regulation schedule in Water Conservation Area2A.. South Florida Water Management District Technical Publication 83-6. West Palm Beach, Florida. 63 pp. plus appendix.
- Worth, Dewey A. 1988. Environmental response of WCA2A to reduction in regulation schedule and marsh drawdown. South Florida Water Management District Technical Publication 88-2. West Palm Beach, Florida. 55 pp.
- Wu, Yegang, Fred Sklar, Kishore Gopu and Ken Rutchev. 1996. Fire simulations in the Everglades Landscape using parallel programming. *Ecological modelling* 93:113-124.

Wu, Yegang, Fred H. Sklar and Ken Rutchey. 1997. Analysis and Simulations of Fragmentation Patterns in the Everglades. *Ecological Applications*, 7(1), pp. 268-276.

Zaffke, Michael. 1983. Plant Communities of Water Conservation Area 3A; Base-Line Documentation Prior to the Operation of S-339 and S-340. South Florida Water Management District Technical Memorandum. West Palm Beach, Florida. 31 pp. + Appendix